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ABSTRACT

Presented is a bibliography of science policy literature which contains more than 60 pages of categorized listings, as well as additional materials on resources, positions, teaching programs, and activities of scientific associations. The bibliographical categories include such topics as: (a) general literature and information, (b) the development of science, (c) science as a social institution, (d) international aspect of science policy, and (e) critique of science, ethical problems in science, science and the public. There are fourteen categories listed. (Author/EB)

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Bibliographie Wissenschaftsforschung und Notizen zur institutionellen Entwicklung

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ÜBERSICHT

Bibliographie

Inhaltliche Kategorien 3
Literaturangaben 4

Notizen zur institutionellen Entwicklung

Neue Programme, Institute etc. 31
Neue Positionen 34
Arbeitsberichte 38
Neue Informationsquellen 44

OVERVIEW

Bibliography

Content analysis 3
References 4

Notes on Institutional Developments

New programs, institutes etc. 31
New positions 34
Progress reports 38
New sources of information 44

Bibliographical Categories +)

A	General literature and information
B	Development of science
C	Science as social institution
D	The scientist
E	Information and communication
F	Organization and management of science
G	Economics of science and measurement of efficiency
H	Science policy
I	Scientific manpower
K	International aspects of science policy
L	Science policy and developing countries
M	Research planning and priority setting
N	Technology, law
O	Critique of science, ethical problems in science, science and the public

+) For more details about the categories see I.Spiegel-Rösing, "Wissenschaftsentwicklung und Wissenschaftssteuerung. Einführung und Material zur Wissenschaftsforschung". Frankfurt: Athenäum, 1973.

G AKADEMIE DER WISSENSCHAFTEN DER DDR (1973), Überführung Wissenschaft - Produktion. (Materialien eines Kolloquiums der Akademie der Wissenschaften der DDR im Mai 1973 zu Problemen der Überführung naturwissenschaftlicher Ergebnisse der Grundlagenforschung in die Produktion). Berlin (Ost): Akademie-Verlag, 1973.

H AHRENS, H.J., COENEN, R. et al. (1973), Priorities in research policy. Research Policy, 1973, 2 (No 2), 94 - 126.

C AMICK, D.J. (1973), Scientific elitism and the information system of science. Journal of the American Science, 1973, 24 (No 5), 317 - 327.

C AMICK, D.J. (1974), An index of scientific elitism and the scientist's mission. Science Studies, 1974, 4 (No 1), 1 - 16.

B AUSTIN, W.H. (1972), Paradigms, rationality and partial communication. Zeitschrift für allgemeine Wissenschaftstheorie, 1972, 3 (No 2), 203 - 218.

E AVRAMESCU, A. (1973), Contribution to the foundation of bibliometric laws. Studii Si Cercetari De Documentare, 1973, 15 (No 1), 3 - 19.

O BARBER, B., LALLY, J.J., MAKARUSHKA, J.L., SULLIVAN, D. (1973), Research on Human Subjects. Problems of Social Control in Medical Experimentation. New York: Russel Sage Foundation, 1973.

O BEARDSLEY, E.H. (1973), The American scientist as social activist: Franz Boas, Burt G. Wilder, and the cause of racial injustice, 1900 - 1915. ISIS, 1973, 64 (No 221), 50 - 66.

F BEATTLE, L.J., READER, R.D. (1971), Quantitative Management in R&D. London: Chapman and Hall, 1971.

L BELL, C. (1972), The acquisition of agricultural technology: Its determinants and effects. The Journal of Development Studies, 1972, 9 (No 1), 123 - 159.

A BERNARD, M.Y. (1972), Politique de la science et "public understanding of science" aux Etats-Unis. Le Progrès Scientifique, 1972, (No 152), 42 - 66.

C BESS, J.L. (1973), Patterns of satisfaction of organizational perequisites and personal needs in university academic departments. Sociology of Education, 1973, 46, 99 - 114.

B BLOOR, D. (1974), Popper's mystification of objective knowledge (Essay Reviews). Science Studies, 1974, 4 (No 1), 65 - 76.

D BLUME, S.S., SINCLAIR, R. (1973), Research Environment and Performance in British University Chemistry. (Department of Education and Science, Science Policy Studies No 6). London: Her Majesty's Stationary Office, 1973.

B BÖHLER, D. (1972), Paradigmawechsel in analytischer Wissenschaftstheorie? Zeitschrift für allgemeine Wissenschaftstheorie, 1972, 3 (No 2), 219 - 242.

M BÖHME, G. (1973), Wissenschaft mit unglücklichem Bewußtsein. Das Dilemma von Motivation und Legitimation in der Grundlagenforschung. Evangelische Kommentare, 1973, 6 (No 7), 404 - 407.

B BÖHME, G. (1974), Die Bedeutung von Experimentalregeln für die Wissenschaft. Zeitschrift für Soziologie, 1974, 3 (No 1), 5 - 17.

B BÖHME, G. (1974), Ein handlungstheoretisches Konzept der scientific community. Skizze zu weiteren theoretischen Arbeiten - Antwort auf Rolf Klima. Zeitschrift für Soziologie, 1974, 3 (No 1), 106 - 109.

E BOTTLE, R.T. (1973), Scientists, information transfer and literature characteristics. The Journal of Documentation, 1973, 29 (No 3), 281 - 294.

A BRANDTSTÄDTER, J., REINERT, G. (1973), Wissenschaft als Gegenstand der Wissenschaft vom menschlichen Erleben und Verhalten: Überlegungen zur Konzeption einer Wissenschaftspsychologie. Zeitschrift für allgemeine Wissenschaftstheorie, 1973, 4 (No 2), 368 - 379.

H BROOKS, H. (1973), Knowledge and action: the dilemma of science policy in the '70's. Daedalus, 1973, (Spring), 125 - 143.

D BROWN, S.B., BROWN, L.B. (1972), A semantic differential approach to the delineation of scientific values possessed by professors of science and humanities. Journal of Research in Science Teaching, 1972, 9 (No 4), 345 - 351.

N CARDWELL, D.S.L. (1972), Turning Points in Western Technology. A Study of Technology, Science and History. New York: Neale Watson Academic Publications, 1972.

H CARTER, L.J. (1973), Military R&D and the Congress: A "cakewalk" for the Pentagon. Science, 1973, 181 (No 4101), 731 - 732.

K Le Centre européen de prévision météorologique à moyen terme. Le Progrès Scientifique, 1973, (No 164), 46 - 52.

N CETRON, M.J., BARTOCHA, B. (Eds.) (1972), The Methodology of Technology Assessment. New York: Gordon and Breach, 1972.

F CETRON, M.J., DAVIDSON, H., RUBENSTEIN, A.H. (Eds.) (1972), Quantitative Decision Aiding Techniques for Research and Development Management (Papers from meetings, Oct. 1966, Dec. 1968, and Nov. 1969). New York: Gordon and Breach, 1972.

B CLARK, T.N. (1973), Prophets and Patrons. The French University and the Emergence of the Social Sciences. Cambridge, Mass.: Harvard University Press, 1973.

B COHEN, L.J. (1973), Is the progress of science evolutionary? (Review of S. Toulmin, Human Understanding). British Journal for the Philosophy of Science, 1973, 24 (No 1), 41 - 61.

C COLE, J.R., COLE, S. (1973), Social Stratification in Science. Chicago/London: University of Chicago Press, 1973.

F COLEMAN, B.P. (1973), Research manpower resources planning. Research Management, 1973, 16 (No 4), 28 - 32.

L COOPER, C. (1972), Science, technology and production in the underdeveloped countries: An introduction. The Journal of Development Studies, 1972, 9 (No 1), 1 - 18.

K La coopération scientifique et technologique au sein des Communautés européennes (1965 - 1973). Le Progrès Scientifique, 1973, (No 164), 16 - 39.

O COTGROVE, S. (1973), Anti-science. New Scientist, 1973, (July 12), 82 - 84.

E COTTON, M.C., ANDERSON, W.P. (1973), Citation changes in the Journal of Counseling Psychology. Journal of Counseling Psychology, 1973, 20 (No 3), 272 - 274.

A CRAWFORD, E.T. (1973), The sociology of the social sciences: An international bibliography. Social Science Information, 1973, 12 (No 2), 113 - 121.

H CULLITON, B.J. (1973), Peer review: Edwards denies system will be undone. Science, 1973, 180 (No 4090), 1035 - 1036.

H CULLITON, B.J. (1973), Peer review: OMB may dismantle NIH study sections. Science, 1973, 180 (No 4088), 843 - 844.

K DAHRENDORF, R. (1973), Aktuelle Probleme der europäischen Forschungspolitik. Wirtschaft und Wissenschaft, 1973, (No 2/3), 2 - 9.

G DEAN, G. (1972), A note on the sources of technical innovations in the People's Republic of China. The Journal of Development Studies, 1972, 9 (No 1), 187 - 199.

O DIXON, B. (1973), What is Science for? London: Collins, 1973.

B DÖRNER, K. (1969), Bürger und Irre. Zur Sozialgeschichte und Wissenschaftssoziologie der Psychiatrie. Frankfurt,M.: Europäische Verlagsanstalt, 1969.

O DOMIN, G., LANFERMANN, H.-H., MOCEK, R., PÄLIKE, D. (1973), Bürgerliche Wissenschaftstheorie und ideologischer Klassenkampf. Eine Auseinandersetzung mit bürgerlichen Wissenschaftsauffassungen. Berlin (Ost): Akademie-Verlag, Reihe Wissenschaft und Gesellschaft, Band 2 (herausgegeben vom Institut für Wissenschaftstheorie und -organisation der Akademie der Wissenschaften der DDR durch Günter Kröber), 1973.

H DOUGLASS, C.D., JAMES, J.C. (1973), Support of new principal investigators by NIH: 1966 to 1972. Science, 1973, 181 (No 4096), 241 - 244.

D DUNBAR, M. (1973), Women in science: how much progress have we really made? Science Forum, 1973, 6 (No 2), 13 - 15.

A EASLEA, B. (1973), Liberation and the Aims of Science. An Essay on Obstacles to the Building of a Beautiful World. London: Chatto and Windus/ Sussex University Press, 1973.

A EASLEA, B. (1973), An introduction to the History and Social Studies of Science: A seminar course for first-year science students. Science Studies, 1973, 3 (No 2), 185 - 209.

O EASLEA, B. (1974), Who needs the liberation of nature? (Essay Review). Science Studies, 1974, 4 (No 1), 77 - 92.

G ECHTERHOFF-SEVERITT, H. (1973), Forschung und Entwicklung in der Wirtschaft 1971. Wirtschaft und Wissenschaft, 1973, (No 23), Beilage.

B FACH, W. (1974), Autonome Wissenschaft: Überlegungen zu einer Fiktion. Zeitschrift für Soziologie, 1974, 3 (No 1), 31 - 43.

F FARRIS, G.F. (1973), Motivating R&D performance in a stable organization. Research Management, 1973, 16 (No 5), 22 - 27.

N FARVAR, M.T., MILTON, J.P. (Eds.) (1973), The Careless Technology: Ecology and International Development. London: Tom Stacey Ltd., 1973.

H FELLER, K., ENGEL, A.J., FRIEDMAN, R.S., MENZEL, D.C., SACCO, J.F. (1972), Intergovernmental Relations in the Administration and Performance of Research on Air Pollution. University Park, Pennsylvania: The Pennsylvania State University Institute for Research on Human Resources, Center for the Study of Science Policy, 1972.

B FERGUSON, E.S. (1974), Toward a discipline of the history of technology. Technology and Culture, 1974, 15 (No 1), 13 - 30.

H First Special Report from the Select Committee on Science and Technology. Session 1972-73. London: Her Majesty's Stationary Office, 1972.

D FLORESTANO, P.S. (1973), Dissertations by women in the 1972 Annual Dissertation List. Political Science, 1973, 6 (No 1), 29.

H FORMAN, P. (1974), The financial support and political alignment of physicists in Weimar Germany. Minerva, 1974, 12 (No 1), 39 - 66.

H Formation scientifique et recherche en Grande-Bretagne. Première partie: L'enseignement supérieur; Deuxième partie: La recherche; Troisième partie: Les hommes. Le Progrès Scientifique, 1974, (No 169), whole issue.

G Forschen, entdecken, anwenden. Berichte über das Internationale Überführungskolloquium 1973. Spektrum, 1973, 4 (No 7), 2 - 15.

G Forschen und überleiten - ein Erfahrungsaustausch. Spektrum, 1972, 3 (No 11), 5 - 7.

H FOX, R. (1973), Scientific enterprise and the patronage of research in France 1800-70. Minerva, 1973, 11 (No 4), 442 - 473.

D FREIVOGEL, E.F. (1973), Women in archives: The status of women in the academic professions. The American Archivist, 1973, 36 (No 2), 183 - 201.

O FREUND, P.A. (Ed.) (1972), Experimenting with Human Subjects. London: George Allen and Unwin, 1972.

H FRIBORG, G. (Ed.) (1972), Science Research Councils in Europe. Stockholm, 1972.

C GASTON, J. (1973), Originality and Competition in Science. A Study of the British High Energy Physics Community. Chicago: University of Chicago Press, 1973.

I GAUSSEN, F. (1973), The human cost of French university expansion: Academics without careers. Minerva, 1973, 11 (No 3), 372 - 386.

N Die gegenwärtige wissenschaftlich-technische Revolution - Eine historische Untersuchung. (Autorenkollektiv). Berlin (Ost): Akademie-Verlag, 1972.

H La gestion administrative et financière du Fonds de la Recherche en 1972. Le Progrès Scientifique, 1973, (No 164), 54 - 62.

G GIBBONS, M., JOHNSTON, R.D. (1972), The Interaction of Science and Technology. (Final report of a study carried out for the Economic Benefits Working Group of the Council for Scientific Policy). Manchester: Manchester University, 1972.

L GILLETTE, R. (1973), Latin America: is imported technology too expensive? Science, 1973, 181 (No 4094), 41 - 44.

L GILLETTE, R. (1973), The health of U.S. science: NSB says the prognosis is guarded. Science, 1973, 181 (No 4105), 1150 - 1152.

H GILLETTE, R. (1973), Mexico (II): Growing pains for science policy agency. Science, 1973, 180 (No 4092), 1261 - 1265.

H GILPIN, R. (1968), France in the Age of the Scientific State. Princeton, N.J.: Princeton University Press, 1968.

B GIZYCKI, R.v. (1973), Centre and periphery in the international scientific community: Germany, France and Great Britain in the 19th century. Minerva, 1973, 11 (No 4), 474 - 494.

G GLOBE, S., LEVY, G.W., SCHWARTZ, C.M. (1973), Key factors and events in the innovation process. Research Management, 1973, 16 (No 4), 8 - 15.

H GLYDE, H.R. (1973), What Canada can learn about science policy from developing nations. Science Forum, 1973, 6 (No 5), 26 - 29.

F GOLD, B. (1973), What is the place of research and technological innovations in business planning? Research Policy, 1973, 2 (No 2), 128 - 143.

O GOODLAD, J.S.R. (1973), Science for Non-Scientists. An Examination of Objectives and Constraints in the Presentation of Science to Non-Specialists. New York: Oxford University Press, 1973.

H GREENBERG, D.S. (1973), Science and Richard Nixon. The New York Times Magazine, 1973, (June 17), 12 - 24.

E GRESSER, K., PASCHEN, H., SCHWUCHOW, W. (1970), Die Kosten der wissenschaftlichen und technischen Information. München/Berlin: Verlag Dokumentation, 1970.

E GRIFFITH, B.C., JAHN, M.J., MILLER, A.J. (1971), Informal contacts in science: A probabilistic model for communication processes. Science, 1971, 173, 164 - 166.

C GRINNELL, G.J. (1973), Nationalism in science: how it sometimes can be a positive influence. Science Forum, 1973, 6 (No 4), 6 - 8.

D GVISHIANI, D.M., MIKULINSKY, S.R., YAROSHEVSKY, M.G. (1973), The sociological and psychological study of scientific activity. Minerva, 1973, 11 (No 1), 121 - 129.

B HAHN, R. (1971), The Anatomy of a Scientific Institution: The Paris Academy of Sciences, 1666 - 1803. Berkely: University of California Press, 1971.

HEKMATI, M., GLASER, W.A. (1973), The brain drain and UNITAR's multinational research project on the subject. Social Science Information, 1973, 12 (No 2), 123 - 138.

M HENRY, L. (1973), Recherche libre et orientée: l'expérience de la démographie. Le Progrès Scientifique, 1973, (No 164), 10 - 13.

L HERRERA, A. (1972), Social determinants of science in Latin America: Explicit science policy and implicit science policy. The Journal of Development Studies, 1972, 9 (No 1), 19 - 37.

B HESSE, M. (1973), In Defence of Objectivity. London: Oxford University Press, 1973.

N HETMAN, F. (1973), Society and the Assessment of Technology. Premises, Concepts, Methodology, Experiments. Areas of Application. Paris: Organisation for Economic Co-operation and Development, 1973.

B HEY, J.S. (1973), The Evolution of Radio Astronomy. New York: Neale Watson Academic Publications, 1973.

F HIGGINS, T. (1973), The impact of PPBS on the management of agricultural research in the United States. Administration, 1973, 21 (No 1), 87 - 100.

D HILDEBRAND, M. (1973), The character and skills of the effective professor. The Journal of Higher Education, 1973, 44 (No 1), 41 - 50.

O HILTON, B., CALLAHAN, D., HARRIS, M., CONDLIFFE, P., BERKLEY, B. (Eds.) (1973), Ethical Issues in Human Genetics. Genetic Counseling and the Use of Genetic Knowledge. (Proceedings of a Symposium, Warrenton, Va., Oct. 1971). New York: Plenum, 1973.

O HOHENEMSER, C. (1973), Science for the concerned. Environment, 1973, 15 (No 6), 39 - 44.

B HÖRZ, H. (1973), Philosophie und naturwissenschaftliche Erkenntnis. Spektrum, 1973, 4 (No 9), 12 - 14.

A HOLL, O. (1973), Wissenschaftskunde I & II. Pullach: Verlag Dokumentation, 1973.

D HOLTON, G. (1973), The Thematic Component in Scientific Thought. Origins of Relativity Theory and Other Essays. Austin: University of Texas, The Graduate Journal Vol. IX, Supplement 1973.

B HOOYKAAS, R. (1972), Religion and the Rise of Modern Science. Grand Rapids, Michigan: William B. Eerdmans Publishing Co., 1972.

D HUDSON, L. (1973), Fertility in the arts and sciences. Science Studies, 1973, 3 (No 3), 305 - 310.

B HUTTER, J.L. (1972), Quantification in political science: An examination of seven journals. Midwest Journal of Political Science, 1972, 16 (No 2), 313 - 323.

B HUTTER, J.L. (1972), Statistics and political science. Journal of the American Statistical Association, 1972, 67 (No 340), 735 - 742.

H IGW - INSTITUT FÜR GESELLSCHAFT UND WISSENSCHAFT (1973), Wisserschaft in der DDR. Beiträge zur Wissenschaftspolitik und Wissenschaftsentwicklung nach dem VIII. Parteitag. Köln: Verlag Wissenschaft und Politik, 1973.

H IGW - INSTITUT FÜR GESELLSCHAFT UND WISSENSCHAFT (1973), Jahresbericht zur Wissenschaftsentwicklung und Wissenschaftspolitik in der DDR. Analysen und Berichte aus Gesellschaft und Wissenschaft, 1973, (No 4).

H IGW - INSTITUT FÜR GESELLSCHAFT UND WISSENSCHAFT (1973), Vierteljahresbericht zur Wissenschaftsentwicklung und Wissenschaftspolitik in der DDR. II. Quartal 1973. Analysen und Berichte aus Gesellschaft und Wissenschaft, 1973, (No 5).

H IGW - INSTITUT FÜR GESELLSCHAFT UND WISSENSCHAFT (1974), Vierteljahresbericht zur Wissenschaftsentwicklung und Wissenschaftpolitik in der DDR. Analysen und Berichte aus Gesellschaft und Wissenschaft, 1974 (No 4).

G Interactions of Science and Technology in the Innovative Process: Some Case Studies. (Final Report. Prepared for the National Science Foundation). Columbus, Ohio: Battelle Columbus Laboratories, 1973.

A Interdisciplinary relations. (Bibliography 1970 - 1972). Social Science Information, 1973, 12 (No 3), 149 - 168.

A JACOBSON, E. (1973), Unesco's programs in the social sciences. Professional Psychology, 1973, (May), 224 - 231.

O JAUBERT, A., LÉVY-LEBLOND, J.-M. (Ed.) (1973), (Auto)critique de la science. Paris: Editions du Seuil, 1973.

A JEVONS, F.R. (1973), Science Observed. Science as a Social and Intellectual Activity. London: George Allen & Unwin, 1973.

G JEWKES, J., SAWERS, D., STILLERMAN, R. (1969), The Sources of Invention. London: Macmillan, 1969 (Erste Ausgabe 1958).

L JOHNSON, H.G. (1974), Observations on the role of the university in development planning. Minerva, 1974, 12 (No 1), 32 - 38.

G JOHNSON, P.S. (1973), Co-operative Research in Industry. An Economic Study. London: Robertson, 1973.

O JONAS, H. (1973), Technology and responsibility: Reflections on the new tasks of ethics. Social Research, 1973, 40 (No 1), 31 - 54.

D JONES, C.L., LITTLEJOHN, G.M., McPHERSON, A.I. (1973), Aversion to school teaching as a factor in the choice of science subjects. Science Studies, 1973, 3 (No 2), 173 - 179.

L ISHIKAWA, S. (1972), A note of the choice of technology in China. The Journal of Development Studies, 1972, 9 (No 1), 161 - 186.

N KALWEIT, W. (1973), Marx und die Technik heute. Spektrum, 1973, 4 (No 7), 17 - 20.

I KAO, C.H.C., LEE, J.W. (1973), An empirical analysis of China's brain drain into the United States. Economic Development and Cultural Change, 1973, 21 (No 3), 500 - 513.

H KAPITZA, P. (1973), Basic factors in the organization of science and how they are handled in the U.S.S.R. Daedalus, 1973, (Spring), 167 - 176.

D KATZ, D.A. (1973), Faculty salaries, promotions, and productivity at a large university. The American Economic Review, 1973, 63 (No 3), 469 - 477.

B KEDROW, B. (1972), Die Wissenschaft und ihre Entwicklungsgesetze. Spektrum, 1972, 3 (No 11), 26 - 27.

K KENWARD, M., SHERWOOD, M. (1973), Research and development: the European options. New Scientist, 1973, (12 April), 105 - 107.

N KERN, W. (1973), Zur Analyse des internationalen Transfers von Technologien - ein Forschungsbericht. Zeitschrift für betriebswirtschaftliche Forschung, 1973, 25 (No 2), 85 - 98.

O KEUTH, H. (1972), Eine Revolte in der Psychologie. Bemerkungen zu Holzkamps Vorschlag einer "kritisch - emanzipatorischen Psychologie". Zeitschrift für allgemeine Wissenschaftstheorie, 1972, 3 (No 2), 328 - 357.

L KILBY, P. (1972), Farm and factory: A comparison of the skill requirements for the transfer of technology. The Journal of Development Studies, 1972, 9 (No 1), 63 - 69.

B KLIMA, R. (1974), Sind Experimentalregeln "soziale Verbindlichkeiten"? - Ein Kommentar zu Gernot Böhmes Aufsatz. Zeitschrift für Soziologie, 1974, 3 (No 1), 103 - 106.

B KLÜVER, J., MÜLLER, W. (1972), Wissenschaftstheorie und Wissenschaftsgeschichte: Die Entdeckung der Benzolformel. Zeitschrift für allgemeine Wissenschaftstheorie, 1972, 3 (No 2), 243 - 266.

E KNOX, W.T. (1973), Systems for technological information transfer. Science, 1973, 181 (No 4098), 415 - 419.

M KOCH, C. (1973), A dying debate. Research Policy, 1973, 2 (No 2), 88 - 92.

B KORDIG, C.R. (1971), The Justification of Scientific Change. Dordrecht/Holland: D. Reidel, 1971. (Review: Zeitschrift für allgemeine Wissenschaftstheorie, 1972, 3 (No 2), 380 - 387 (H.I. BROWN).

M KORNBERG, A. (1973), The support of science. (Editorial). Science, 1973, 180 (No 4089), 909.

N KOTTENSTETTE, J.P., RUSNAK, J.J. (1973), Transfer and diffusion - two ways to transmit technology. Research Management, 1973, 16 (No 4), 24 - 27.

A KREUTZKAM, J. (1973), Probleme mit der Wissenschaft: ein Problem für die Wissenschaft. Wirtschaft und Wissenschaft, 1973 (No 2/3), 24 - 29.

B KRANTZ, D.L. (Ed.) (1969), Schools of Psychology. New York: Appleton-Century-Crofts, 1969.

A KUCZYNSKI, J. (1973), Wissenschaft, Heute und Morgen. Köln: Pahl - Rugenstein, 1973.

F KUNZ, W., RITTEL, H. (Hg.) (1970), Systemanalyse und Informationsverarbeitung in der Forschung. München/Wien: R. Oldenbourg Verlag, 1970.

N KUSIN, A.A. (1970), Karl Marx und Probleme der Technik. Leipzig: VEB Fachbuchverlag, 1970.

B KVALE, S. (1973), The technological paradigm of psychological research. Journal of Phenomenological Psychology, 1973, 3 (No 2), 143 - 159.

K Le laboratoire européen de biologie moléculaire. Le Progrès Scientifique, 1973, (No 164), 40 - 46.

B LASZLO, E. (1973), The rise of general theories in contemporary science. Zeitschrift für allgemeine Wissenschaftstheorie, 1973, 4 (No 2), 335 - 344.

O LAYTON, E.T. (1971), The Revolt of the Engineers. Social Responsibility and the American Engineering Profession. Cleveland/London: The Press of Case Western Reserve University, 1971.

B LAYTON, E.T. (1974), Technology as knowledge. Technology and Culture, 1974, 15 (No 1), 31 - 41.

E LAWANI, S.M. (1973), Bradford's law and the literature of agriculture. International Library Review, 1973, 5 (No 3), 341 - 350.

H LAKOFF, S.A. (1973), The vicissitudes of American science policy at home and abroad. Minerva, 1973, 11 (No 2), 175 - 190.

I LANGE, B. (1973), Struktur und Dynamik wissenschaftlicher Kader. Spektrum, 1973, 4 (No 7), 31 - 32.

G LANGRISH, J., GIBBONS, M., EVANS, W.G., JEVONS, F.R. (1972), Wealth from Knowledge. Studies of Innovation in Industry. London: Macmillan, 1972.

B LAW, J. (1973), The development of specialities in science: the case of X-ray protein crystallography. Science Studies, 1973, 3 (No 3), 275 - 303.

O LEISS, W. (1972), The Domination of Nature. New York: Braziller, 1972.

B LENK, H. (1972), Erklärung - Prognose - Planung. Skizzen zu Brennpunktproblemen der Wissenschaftstheorie. Freiburg i.Brsg.: Rombach Hochschul-Paperback, 1972.

L LIM, D. (1974), The role of the university in development planning in Malaysia. Minerva, 1974, 12 (No 1), 18 - 32.

H LOHMAR, U. (1973), Wissenschaftspolitik und Demokratisierung. Düsseldorf: Bertelsmann Universitätsverlag, 1973.

H LONG, F.A. (1973), President Nixon's 1973 Reorganization Plan No 1. Where do science and technology go now? Science and Public Affairs, 1973 (May), 5 - 8, 40 - 42.

H MacRAE, D. (1973), Science and the formation of policy in a democracy. Minerva, 1973, 11 (No 2), 228 - 242.

E McCARN, D.B., LEITER, J. (1973), On-line services in medicine and beyond. Science, 1973, 181 (No 4097), 318 - 324.

F McCARREY, M.W., EDWARDS, S.A. (1973), Organizational climate conditions for effective research scientist role performance. Organizational Behavior and Human Performance, 1973, 9 (No 3), 439 - 459.

O McGOWAN, A. (1973), The Scientists' Institute for Public Information. Environment, 1973, 15 (No 4), 16 - 20.

D MAINI, S.M., NORDBECK, B. (1973), Critical moments, the creative process and research motivation. International Social Science Journal, 1973, 25 (No 1/2), 190 - 204.

N MALESTSCHENKO, J.S., SCHUCHARDIN, S.W. (1972), Lenin und der wissenschaftlich-technische Fortschritt. Leipzig: VEB Fachbuch-Verlag, 1972.

D MAZUR, A. (1972), Ethnicity of Jewish social scientists and the Six Day War. Jewish Social Studies, 1972, 34 (No 3), 243 - 247.

H MAZUR, A. (1973), Disputes between experts. Minerva, 1973, 11 (No 2), 243 - 262.

G METCALFE, J.S., STUBBS, P.C. (1973), The Economics of Technological Change and Innovation. Manchester: University of Manchester, Department of Economics, 1973.

B MEYER, W. (1972), Wissenschaftstheorie und Erfahrung: Zur Überwindung des methodologischen Dogmatismus. Zeitschrift für allgemeine Wissenschaftstheorie, 1972, 3 (No 2), 267 - 284.

M MEYER-UHLENRIED, K.-H. (1972), Forschungsplanung als Informationsproblem. München: Verlag Dokumentation, 1972.

H MISER, J.H. (1973), The scientist as adviser: The relevance of the early operations research experience. Minerva, 1973, 11 (No 1), 95 - 108.

O MODLIN, H.C. (1973), Science and technology vs. ethics and morals. Bulletin of the Menninger Clinic, 1973, 37 (No 2), 149 - 168.

D MOORE, R. (1966), Niels Bohr: The Man, His Science, and the World They Changed. New York: Knopf, 1966.

L MORAVCSIK, M.J., NELSON, W.M. (1973), Pursuit of science in less developed countries. A bibliography. Eugene: University of Oregon, Institute of Theoretical Science, 1973.

O MORRISON, R.W. (1973), Responsibility evaded: reporting on technology in the mass media. Science Forum, 1973, 6 (No 3), 3 - 6.

B MULLINS, N.C. (1973), The development of specialities in social science: the case of ethnomethodology. Science Studies, 1973, 3 (No 3), 245 - 273.

B MULLINS, N.C. (1973), Theories and Theory Groups in Contemporary American Sociology. New York: Harper and Row, 1973.

B MULTHAUF, R.P. (1974), The historiography of technology. Some observations on the state of the history of technology. Technology and Culture, 1974, 15 (No 1), 1 - 12.

I MYERS, R.G. (1972), Education and Emigration. New York: McKay, 1972.

H NATIONAL COMMITTEE ON SCIENCE AND TECHNOLOGY (1973), An Approach to the Science and Technology Plan. New Delhi, 1973.

H NATIONAL SCIENCE BOARD/NATIONAL SCIENCE FOUNDATION (1973), Science Indicators 1972. Washington, D.C.: USGPO, 1973.

H NATIONAL SCIENCE COUNCIL (1973), Studies in Irish Science Policy. Dublin: Stationary Office, 1973.

L NAYUDAMMA, Y. (1973), Decentralised management of R&D in a developing country. Minerva, 1973, 11 (No 4), 516 - 536.

N NELKIN, D., HERSHEY, C., MUELLER, D. (1974), The impact and control of technological change. (Bibliography). Science Studies, 1974, 4 (No 1), 97 - 103.

B NEU, J. (1972), Ninety-Seventh Critical Bibliography of the History of Science and its Cultural Influences (to January 1972). ISIS, 1972, 63 (Part 5), No 220.

G NIKOLAJEW, V. (1974), Besonderheiten der wissenschaftlichen Forschung. Berlin (Ost): Akademie-Verlag, 1974.

B NOWOTNY, H. (1973), On the feasibility of a cognitive approach to the study of science. Zeitschrift für Soziologie, 1973, 2 (No 3), 282 - 296.

H NSF - NATIONAL SCIENCE FOUNDATION (1973), Federal support to universities and colleges rises to $4.1 Billion in FY 1972. Science Resources Studies Highlights, 1973, NSF 73 - 307 (August 1).

I NSF - NATIONAL SCIENCE FOUNDATION (1973), Selected characteristics of five engineering and scientific occupational groups, 1972 (Preliminary). Science Resources Studies Highlights, 1973, (July 20), 8.

H NSF - NATIONAL SCIENCE FOUNDATION (1973), Academic R&D expenditures reached $3.3 Billion in 1972. Science Resources Studies Highlights, 1973, NSF 73 - 308 (August 13).

I NSF - NATIONAL SCIENCE FOUNDATION (1973), Graduate science enrollment declines 2 percent from 1971 to 1972. Science Resources Studies Highlights, 1973, NSF 73 - 310 (August 16).

H NSF - NATIONAL SCIENCE FOUNDATION (1973), Federal R&D funding shows little change, though priorities shift. Science Resources Studies Highlights, 1973, NSF 73 - 312 (August 17).

I NSF - NATIONAL SCIENCE FOUNDATION (1973), Immigrant Scientists and Engineers in the United States. (Surveys of Science Resources Series, NSF 73 - 302). Washington, D.C., 1973.

G NSF - NATIONAL SCIENCE FOUNDATION (1973), Research and Development in Industry 1971. (Surveys of Science Resources Series, NSF 73 - 305). Washington, D.C., 1973.

I NSF - NATIONAL SCIENCE FOUNDATION (1973), Graduate Student Support and Manpower Resources in Graduate Science Education, Fall 1971. (Surveys of Science Resources Series, NSF 73 - 304). Washington, D.C., 1973.

E NSF - NATIONAL SCIENCE FOUNDATION (1974), The Growth of Scientific and Technical Information. A Challenge. Washington, D.C.: NSF Office of Science Information Service, 1974.

H OECD - ORGANIZATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT (1973), Reviews of National Science Policy. Netherlands. Paris, 1973.

H ORLANS, H. (1973), 'D&R' allocations in the United States. Science Studies, 1973, 3 (No 2), 119 - 159.

C OROMANER, M. (1972), The structure of influence in contemporary academic sociology. The American Sociologist, 1972, 7 (No 5), 11 - 13.

B PALOCZI-HORVATH, G. (1964), The Facts Rebel. London: Secker und Warburg, 1964.

I PANKIN, R.M. (1973), Structural factors in academic mobility. Higher Education, 1973, 44 (No 2), 95 - 101.

D PAPON, P. (1973), The training of industrial scientists in France. Minerva, 1973, 11 (No 2), 190 - 210.

M PASCHEN, H., KRAUCH, H. (Hg.) (1972), Methoden und Probleme der Forschungs- und Entwicklungsplanung. München/Wien: R. Oldenbourg Verlag, 1972.

G PEARSON, A.W. (1973), R&D as a mini-business. European Business, 1973, (No 33), 36 - 42.

B POPPER, K.R. (1973), Objective Knowledge. Oxford: Clarendon Press, 1973.

H The power of the state and the dignity of the academic calling in imperial Germany: the writings of Max Weber on university problems. Minerva, 1973, 11 (No 4), 571 - 632.

G PRICE, D. DE SOLLA (1972/73), The relation between science and technology and their implications for policy formation. FOA (Försvarets Forsknings-anstalt) Reprints, 1972/73, (No 26), 1 - 32.

B PRICE, D. DE SOLLA (1974), On the historiographical revolution in the history of technology: commentaryon the papers by Multhauf, Ferguson, and Layton. Technology and Culture, 1974, 15 (No 1), 42 - 48.

B Problemy Epistemologii Pragmatycznej. (Polska Akademia Nauk, Zaklad Historii Nauki i Techniki). Wroclaw, 1972.

F PYLE, E.B., DOUGLAS, B., EBRIGHT, G.W., WESTLAKE, W.J., BENDER, A.D. (1973), Scientific manpower allocation to new drug screening programs. Management Science, 1973, 19 (No 12), 1433 - 1443.

B RADNER, M., WINOKUR, S. (Eds.) (1970), Analyses of Theories and Methods of Physics and Psychology. (Minnesota Studies in the Philosophy of Science, Vol.IV). Minneapolis: University of Minnesota Press, 1970.

H RAHMAN, A., BHARGAVA, R.N., QURESHI, M.A., PRUTHI, S. (1973), Science and Technology in India. New Delhi: Indian Council for Cultural Relations, 1973.

L RAHMAN, A., SHARMA, K.D. (Eds.) (1974), Science Policy Studies. Bombay/New Delhi: Somaiya Publications PVT Ltd., 1974.

G The Rate and Direction of Inventive Activity: Economic and Social Factors. (1962), A Conference of the Universities, National Bureau Committee for Economic Research and the Committee on Economic Growth of the Social Science Research Committee. Princeton, N.J.: Princeton University Press, 1962.

L REDDY, A.K.N. (1973), Choice of alternative technologies. Economic and Political Weekly, 1973, 8 (No 25), 1109 - 1114.

M REVELLE, R. (1973), Freedom of oceanic research. (Editorial). Science, 1973, 181 (No 4098), 393.

H RISLER, T. (1970), Wissenschaftsförderung heute. In: STEFFEN, H. (Hg.) Analysen, 1. Teil. Göttingen: Vandenhoeck & Ruprecht, 1970, 54 - 71.

L ROBERTS, J. (1972), Engineering consultancy, industrialization and development. The Journal of Development Studies, 1972, 9 (No 1), 39 - 61.

B RODERICK, G., STEPHENS, M. (1974), Scientific Studies and scientific manpower in the English civic universities 1870 - 1914. Science Studies, 1974, 4 (No 1), 41 - 63.

F ROMIG, D.A. (1973), Management of research and development in mental health. Professional Psychology, 1973, 4 (No 3), 265 - 269.

H ROSENTHAL, A.H. (1973), Public Science Policy and Adminstration. Albuquerque: University of New Mexico Press, 1973.

G ROTHWELL, R. (1973), Nucleonic thickness gauges - a SAPPHO pair. Research Policy, 1973, 2 (No 2), 114 - 156.

F ROTHWELL, R., TOWNSEND, J. (1973), Notes and comments: the communication problems of small firms. R&D Management, 1973, 3 (No 3), 151 - 153.

D ROWE, A.R. (1973), Scientists in retirement. Journal of Gerontology, 1973, 28 (No 3), 345 - 351.

A RUPP, E. (1973), Zur Kritik der Wissenschaftsforschung. Wissenschaftslogik - Wissenschaftssoziologie. Düsseldorf: Bertelsmann Universitätsverlag, 1973.

B RUSSELL, R.W. (1973), Academic and applied psychology: a rapprochement. Professional Psychology, 1973, 4 (No 2), 232 - 237.

M SAGASTI, F.R. (1973), Towards a new approach for scientific and technological planning. Social Science Information, 1973, 12 (No 2), 67 - 95.

H SALOMON, J.-J. (1971), Les politiques de la science: évolution et tendances. In.: MEYRIAT, J. (Ed.), L'Univers Politique. Paris: Editions Richelieu, 1971, 37 - 64.

E SARACEVIC, T., PERK, L.J. (1973), Ascertaining activities in a subject area through bibliometric analysis. Journal of the American Society for Information Science, 1973, 24 (No 2), 120 - 124.

N SCC - SCIENCE COUNCIL OF CANADA (1974), A Technology Assessment System. A Case Study of East Coast Offshore Petroleum Exploration (M.GIBBONS, R.VOYER) (Background Study No 30). Ottawa, 1974.

H The science and advisory function. (Salient points from a study by M.J. BRENNER). Science Policy, 1973, 2 (No 4), 106.

A Science et Société: Le colloque de Saint-Paul-de-Vence. Le Progrès Scientifique, 1973, (whole No 160).

H Science Policy. A Working Glossary. (1972), Prepared for the Subcommittee on Science, Research and Development of the Committee of Science and Astronautics, U.S. House of Representatives, Ninety-Second Congress, Second Session. By the Science Policy Research Division, Congressional Research Service, Library of Congress. Washington, D.C.: U.S. Government Printing Office, 1972.

G Science, Technology and Innovation. (A Summary. Prepared for the National Science Foundation). Columbus, Ohio: Battelle Columbus Laboratories, 1973.

G SEICKERT, H. (1973), Produktivkraft Wissenschaft im Sozialismus. Berlin (Ost): Akademie-Verlag, 1973.

D SELYE, H. (1965), Vom Traum zur Entdeckung. Vademecum eines Wissenschaftlers. Wien/Düsseldorf: Econ, 1965.

H SHAPLEY, D. (1973), Auto pollution: research group charged with conflict of interest. Science, 1973, 181 (No 4101), 732 - 735.

H SHEEHAN, B.S. (1973), Federal funds and university research. Canadian Journal of Political Science, 1973, 6 (No 1), 121 - 130.

H SHERWOOD, M. (1973), Science policy under the Tories. New Scientist, 1973, (June 21), 758 - 759.

H SINCLAIR, C., NEWARD, P. (1973), Research und development budgets, pollution and hazards. Science Policy, 1973, 2 (No 4), 99 - 105.

L SINGER, H., COOPER, C., DESAI, R.C., FREEMAN, C., GISH, O., HILL, S., OLDHAM, G. (1970), The Sussex Manifesto: Science and Technology to Developing Countries during the Second Development Decade. Brighton: Sussex University, Institute of Development Studies, IDS Reprints No 101, 1970.

E SKELTON, B. (1973), Scientists and social scientists as information users: a comparison of results of science user studies with the investigation into information requirements of the social sciences. Journal of Librarianship, 1973, 5 (No 2), 138 - 156.

B SMALL, H., GRIFFITH, B.C. (1974), The structure of scientific literatures. I: Identifying and graphing specialities. Science Studies, 1974, 4 (No 1), 17 - 40.

H SMITH, B.L.R. (1973), A new science policy in the United States. Minerva, 1973, 11 (No 2), 162 - 174.

M SMITH, M.B. (1973), Is psychology relevant to new priorities? American Psychologist, 1973, 28 (No 6), 463 - 471.

O SORENSON, J.S., SORENSON, D.D. (1973), A comparison of science content in magazines in 1964-65 and 1969-70. Journalism Quarterly, 1973, 50 (No 1), 97 - 101.

F SOUDER, W.E. (1973), Utility and perceived acceptability of R&D project selection models. Management Science, 1973, 19 (No 12), 1384 - 1394.

F SOUDER, W.E. (1973), Analytical effectiveness of mathematical models for R&D project selection. Management Science, 1973, 19 (No 8), 907 - 923.

A SPIEGEL-RÖSING, I. (1973), Wissenschaftsentwicklung und Wissenschaftssteuerung. Einführung und Material zur Wissenschaftsforschung. Frankfurt/M.: Athenäum Verlag, 1973.

O SULLIVAN, D.S., DEIKER, T.E. (1973), Subject-experimenter perceptions of ethical issues in human research. American Psychologist, 1973, 28 (No 7), 587 - 591.

K SCHAUB, A. (1973), Stationen einer europäischen Wissenschaftspolitik, Wirtschaft und Wissenschaft, 1973, (No 2/3), 10 - 11.

I SCHMIEDECK, R. (1973), Motive zur Ab- und Rückwanderung bei österreichischen Wissenschaftlern, Kölner Zeitschrift für Soziologie und Sozialpsychologie, 1973, 25 (No 3), 594 - 605.

I SCHROEDER-GUDEHUS, B. (1973), Foreign degrees and autonomy in science: what is the relationship? Science Forum, 1973, 6 (No 4), 14 - 17.

A SCHROEDER-GUDEHUS, B. (1974), International Commission for Science Policy Studies: New Delhi meeting. Science Studies, 1974, 4 (No 1), 105 - 107.

L STEWART, F. (1972), Choice of technique in developing countries. The Journal of Development Studies, 1972, 9 (No 1), 99 - 121.

B STIGLER, G.J. (1965), Essays in the History of Economics. Chicago: University of Chicago Press, 1965.

N STOSKAWA, N.N. (1971), Friedrich Engels über die Technik. Zu ihrer Rolle in der Entwicklung der Gesellschaft. Leipzig: VEB Fachbuchverlag, 1971.

B TAYLOR, C. (1973), Peaceful coexistence in psychology. Social Research, 1973, 40 (No 1), 55 - 82.

N Technology and Social History. Research Review No 8, Harvard University Program on Technology and Society. Cambridge, Mass.: Harvard University Press, 1971.

O Technology and Values. Research Review No 3, Harvard Program on Technology and Society. Cambridge, Mass.: Harvard University Press, 1969.

N TENIÈRE-BUCHOT, P.-F. (1972), L'évaluation technologique des effets externes: le cas de la pollution des eaux. Le Progrès Scientifique, 1972, (No 155), 10 - 22.

B TACKRAY, A., MERTON, R.K. (1972), On discipline building: the paradoxes of George Sarton. ISIS, 1972, 63 (No 219), 473 - 495.

D THALHEIMER, F. (1973), Religiosity and secularization in the academic professions. Sociology of Education, 1973, 46 (No 2), 183 - 202.

B TOULMIN, S. (1968), Voraussicht und Verstehen. Ein Versuch über die Ziele der Wissenschaft. Frankfurt, M.: Edition Suhrkamp, 1968.

B TOULMIN, S. (1972), Human Understanding. Volume I: General Introduction and Part I. Oxford: Clarendon Press, 1972.

K TOUSCOZ, J. (1973), La coopération scientifique internationale. Paris: Editions techniques et économiques, 1973.

C TOWNES, C.H. (1973), Differentiation and competition between university and other research laboratories in the United States. Daedalus, 1973, (Spring), 153 - 165.

B TREUHEIT, L.J. (1973), Dissertationen als Parameter im System der Psychologie in Deutschland: 1885 - 1969. Psychologische Rundschau, 1973, 24 (No 3), 171 - 205.

D TÜRKELI, A. (1973), The doctoral training environment and post-doctorate productivity among Turkish physicists. Science Studies, 1973, 3 (No 3), 311 - 318.

K U.S. - Soviet pacts threatened by scientists. Science, 1973, 180 (No 4089), 934.

L VAITSOS, C. (1972), Patents revisited: Their function in developing countries. The Journal of Development Studies, 1972, 9 (No 1), 71 - 97.

A WÄCHTER, W., WINKLER, R.-L. (1972), Wissenschaftswissenschaftler koordinieren ihre Forschung. Spektrum, 1972, 3 (No 12), 19 - 20.

H WADE, N. (1973), Agriculture: Research planning paralyzed by pork-barrel politics. Science 1973, 180 (No 4089), 932 - 937.

O WADE, N. (1973), Science and society: British group to be harbinger of dangers. Science, 1973, 181 (No 4098), 420 - 421.

H WALSH, J. (1973), Research systems: OECD verdict on five countries - so far, so good. Science, 1973, 181 (No 4097), 329 - 331.

G WALSH, J. (1973), Technological innovation: New study sponsored by NSF takes socioeconomic, managerial factors into account. Science, 1973, 180 (No 4088), 846 - 847.

K WEBER, A. (1973), Europäische Forschungspolitik im Spiegel der Statistik. Wirtschaft und Wissenschaft, 1973, (No 2/3), 12 - 15.

B WEIMER, W.B., PALERMO, D.S. (1973), Paradigms and normal science in psychology. Science Studies, 1973, 3 (No 3), 211 - 244.

M WEINBERG, A.M. (1974), Institutions and strategies in the planning of research. Minerva, 1974, 12 (No 1), 8 - 17.

B WEINGART, P. (Hg.) (1974), Wissenschaftssoziologie II: Determinanten wissenschaftlicher Entwicklung. Frankfurt, M.: Athenäum, 1974.

H WEINSTEIN, D. (1973), Social science associations and the polity: Advising, activism and apathy. Journal of Voluntary Action Research, 1973, 2 (No 2), 86 - 94.

C WESTERDIEP, A.R. (1972), The professional activities of sociologists in the Netherlands. Social Science Information, 1972, 11 (No 6), 81 - 97.

C WESTFALL, R.S. (1973), Newton and the fudge factor. Science, 1973, 179 (No 4075), 751 - 758.

C WESTIE, F.R. (1972), Academic expectations for professional immortality: a study of legitimation. Sociological Focus, 1972, 5 (No 4), 1 - 25.

B WEYMANN, A. (1972), Gesellschaftswissenschaften und Marxismus. Zur methodologischen Entwicklung der Gesellschaftswissenschaften in der DDR. Düsseldorf: Bertelsmann Universitätsverlag, 1972.

H WHITSON, W.W. (1973), China's quest for technology. Problems of Communism, 1973, 22 (No 4), 16 - 30.

B WILSON, J.T. (1973), The scientific societies: what are they - and what should they become? Science Forum, 1973, 6 (No 2), 7 - 9.

A Wissenschaft im Sozialismus. Probleme und Untersuchungen. (Autorenkollektiv). Berlin (Ost): Akademie-Verlag, Reihe Wissenschaft und Gesellschaft, Band 1 (herausgegeben vom Institut für Wissenschaftstheorie und -organisation der Akademie der Wissenschaften der DDR durch Günter Kröber), 1973.

H Wissenschaftspolitik im Deutschen Bundestag. (Interview mit Prof. Dr. Ulrich Lohmar und Dr. Albert Probst). Wirtschaft und Wissenschaft, 1973, (No 2/3), 16 - 19.

A ZUBER, M. (1973), Wissenschaftswissenschaft in der DDR. Ein Experiment. Köln: Verlag Wissenschaft und Politik, 1973.

G Zu einem Artikel von Akademiemitglied Jürgen Kuczynski, "Notwendigkeit und Grenzen des wissenschaftlichen Vorlaufs für die Produktion". Spektrum, 1972, 3 (No 12), 7 - 9.

Universität Ulm:

Abteilung Wissenschaftsforschung.

Der Kleine Senat der Universität Ulm beschloß in seiner Sitzung am 29. Mai 1974 die Einrichtung einer Abteilung für Wissenschaftsforschung. Die durch das Hochschulgesetz vorgeschriebene Genehmigung der Einrichtung wurde durch das Kultusministerium des Landes Baden-Württemberg am 14.6.1974 erteilt.

Mitglieder der Abteilung:

Prof. Dr.Dr. H. Baitsch, Leitung der Abteilung
G. Eichenhofer, Bibliotheksaufbau
M. Hefuna, Redaktion Projektgr.Wissenschaftswissenschaft
Dr. J. Kreutzkam, Assoziiertes Mitglied, Uni Düsseldorf
Prof. Dr.W. Lepenies, Assoziiertes Mitglied, FU Berlin
H. Lohrmann, Geschäftsführendes Sekretariat
Dr. I. Spiegel-Rösing, Mitglied
N.N., Sekretariat

Laufende Projekte

Disziplinäre Entwicklung: Disziplinäre Strategien der Statussicherung (case study); Geschichte und Theorie der Humanwissenschaften; Disziplinäre Differenzierung der Medizin.

Organisation und Wirkungsanalyse von Grundlagenforschung: Wirkungsanalyse der Sonderforschungsbereiche (pilot study), Korrelate wissenschaftlicher Produktivität westdeutscher Universitäten.

Wissenschaftspolitische Studien: Herausgeber eines "Handbuches" "Science Policy Studies in Perspective"; Theorie der Stiftungspolitik im Bereich der Wissenschaftsförderung.

Summary:
An "Abteilung für Wissenschaftsforschung" (Institute for Science Studies) has been established at the University of Ulm. Members of the Abteilung und major current research projects are listed above.

Neue Programme, Institute etc.
New programs, institutes etc.

Massachusetts Institute of Technology:
Technology Studies Program

"MIT is initiating a new program in humanistic studies of science and technology. It will engage the collaborative efforts of humanists (historians, philosophers, and others), social scientists (including anthropologists), scientists, and engineers. Work will center on the role of values in, for instance, the planning of research; the acceptance, rejection, and use of innovation; the formulation and behavior of technical communities and professions; and the effects of new scientific ideas and technological innovations on social values.

Responsibilities of staff members will be divided between helping science and engineering departments plan and offer subjects on humanistic dimensions of their professions; coordinating and supplementing a broad spectrum of subjects to make coherent undergraduate fields of concentration and minors in Technology Studies (both of these responsibilities will begin next year); a postdoctoral program to prepare new Ph.D.'s for disciplined and realistic work on issues of value in modern science and engincering (now in an early stage of planning); and liaison with scientists and engineers to encourage institute-wide discussion and serious work in this area.

We have an opportunity to fundamentally rethink the relations of humanistic and technical education; there is full scope for experimental approaches to teaching. Junior (or intermediate) and senior appointments can be made this year if we locate people of outstanding skill and originality who can demonstrate exceptional aptitude for work on broad interdisciplinary problems. Ability to deal with the technical content of scientific and engineering work is essential. Emphasis on understanding the present does not preclude concentrated studies of the past which promise to illuminate it.

Fully qualified applicants are requested to write for further information or to send a resume, a one-page statement of what problems of issues they expect their future work to center on, and one representative short piece of writing to N. Sivin, Technology Studies, 20D-212, MIT, Cambridge, Massachusetts 02139. The guidelines of MIT's Affirmative Action Plan will be followed in making appointments to this program."

Source: Public Science, 1974, 5 (No 1), 16-17

University of Washington:
Program in Social Management of Technology

" A new interdisciplinary Program in Social Management of Technology, administered by a Committee of Deans from Arts and Sciences, Business Administration, Public Affairs, and the Graduate School, and chaired by the Dean of Engineering, offers courses at both the undergraduate and graduate levels. The courses deal with technology assessment, energy policy, technology policy analysis, and institutional means of regulating technology. In addition, several courses deal with technology and public policy. Internship arrangments are being developed in cooperation with industry and governmental bodies to provide graduate students with opportunities for technology policy research. For additional information, contact Edward Wenk, Jr., Program Director, 428 Aerospace Research Lab., FL-10, University of Washington, Seattle."

Source: Public Science, 1974, 5 (No 3), 26

Stellenausschreibungen/
New positions

DIE ZEIT — Nr. 21 — 17. Mai 1974

Freie Universität Berlin

Im Fachbereich 11 (Philosophie und Sozialwissenschaften)

ist ab sofort die Stelle eines

Hochschullehrers (AH 6)

für Wissenschaftssoziologie/Wissenschaftspolitik
(science of science sociology of science)

zu besetzen.

Aufgabengebiet:
Analyse der konkreten historischen Bedingungen des Fortschritts der Wissenschaft und ihrer Anwendung in der gegenwärtigen Gesellschaft mit dem Ziel der Erarbeitung allgemeiner Grundlagen für die Bestimmung der Funktion wissenschaftlich ausgebildeter Arbeitskräfte und der sie betreffenden Entwicklungstendenzen.

Es ist vorgesehen, daß der Stelleninhaber in den Fachbereichen 11 (Philosophie und Sozialwissenschaften) und 15 (Politische Wissenschaft) in Forschung und Lehre bei der Weiterentwicklung und Realisierung der Studienpläne mitwirkt.

Erwünscht sind ferner:
Beherrschung der gegenwärtigen Theorien der Gesellschaft sowie Erfahrung in entsprechender empirischer Arbeit.

Bewerbungen mit den üblichen Unterlagen sind unter Angabe der Kennziffer 12 innerhalb von 6 Wochen zu richten an den Vorsitzenden des Fachbereichsrats des Fachbereichs 11 — Philosophie und Sozialwissenschaften —, 1 Berlin 33, Altensteinstraße 59.

Full Professor
for Sociology of Science/Science Policy/Science of Science

Task areas:
Analysis of concrete historical conditions for the progress of science and its application in present society with the goal of working out general foundation for the definition of the function of scientific educated manpower and the developmental tendences affecting them.

The position incubant should contribute by research and teaching to the further development and realization of the curricula in the Department 11 (Philosophy and Social Sciences) and 15 (Political Science).

Desirable furthermore:
Mastery of the present theories of society and experience in pertinent empirical work.

Stellenausschreibungen
New positions

In dem im Aufbau befindlichen **Wissenschaftlichen Zentrum für Hochschuldidaktik** (WZHD) der

UNIVERSITÄT MARBURG

sind

6 Professuren (3 H2, 2 H3, 1 H4)

zu besetzen.

Die Stelleninhaber sind außer im Zentrum jeweils Mitglied in einem Fachbereich. (Die Formalqualifikation der Bewerber muß nicht in jedem Fall dem Fachbereich entstammen, dem der Stelleninhaber angehören soll.)

Das Wissenschaftliche Zentrum für Hochschuldidaktik befaßt sich mit den Problemen der wissenschaftlichen Qualifikation und der Sozialisation im tertiären Bereich. Forschung und Theoriebildung sollen die Frage der gesellschaftlichen Erfordernisse und der beruflichen Verwendungsmöglichkeit einbeziehen.

Das Wissenschaftliche Zentrum für Hochschuldidaktik soll die demokratische Reform von Studium und Wissenschaftsorganisation an der Philipps-Universität Marburg weiterentwickeln.

Die Aufgaben der Hochschullehrer stehen in einem Gesamtzusammenhang zueinander. Ein außergewöhnliches Maß an Kooperationsvermögen wird verlangt. Die Merkmale der Stellen sind wie folgt bestimmt:

1. Wissenschafts-Didaktik und Curriculum-Entwicklung

(FB 03 Gesellschaftswissenschaften: Erziehungswissenschaft)
- Begründungs- und Bestimmungsproblematik der Ziele der Wissenschaften
- Beziehungsproblematik zwischen den einzelnen Wissenschaften
- Wissenschaftsorganisation und projektorientiertes Studium
- Probleme der Anwendbarkeit der generellen Curriculum-Theorie für den Tertiärbereich

2. Kommunikationswissenschaft und Mediendidaktik

(FB 09 Neuere deutsche Literatur und Kunstwissenschaft)
- wissenschaftstheoretische Implikationen der Kommunikationswissenschaften von einem sozialwissenschaftlichen Ansatz aus
- Funktion von wiss. Literatur/Wissenschaftsmedien
- Handlungstheorie
- Lehr- und Lernstrukturen der Hochschule
- Studium im Medienverbund

3. Soziologie der Hochschule

(FB 03 Gesellschaftswissenschaften)
- empirische Sozialforschung mit Untersuchungsbereich Hochschulstruktur
- Hochschule als gesellschaftliches System
- ökonomische und politische Bedingungen von Hochschulausbildung und rechtliche Aspekte von Hochschulausbildung
- Hochschulausbildung und Sozialisation
- Rollenproblematik von Lehrenden und Lernenden

4. Pädagogische Psychologie der Hochschule

(FB 04 Psychologie)
- Sozialisation und Qualifikation im tertiären Bereich
- Psychologie des Lehrens und Lernens
- Motivation und Rollenproblematik bei Lehrenden und Lernenden
- Soziologie und Sozialpsychologie der Hochschule

5. Wissenschaftsforschung und Didaktik der Naturwissenschaften

(FB 13 Physik)
- Konstituierungsbedingungen der Naturwissenschaften
- Wissenschaftsverwertung der Naturwissenschaften
- Qualifikationsstruktur im naturwissenschaftlichen Bereich
- Strukturprobleme der Naturwissenschaften
- Verhältnis Natur- zu Geistes- und Sozialwissenschaften

DIE ZEIT, Mai 1974

6 Professorships for a Scientific Center for University Didactics

"The position incubant is at the same time member of the Center and of one Department.... The Scientific Center for University Didactics is concerned with problems of scientific qualification and socialization in the tertionary educational sector. Research and theory construction should incorporate the question of the social demands and of professional applicabilities.

The Scientific Center for University Didactics should contribute to the development of the democratic reform of learning and research organization at the Philipps University of Marburg.

The tasks of the professors are interrelated. An extraordinary measure of cooperative ability is required".

No 5

"Science Studies and Didactics of the Natural Sciences (in the Department of Physics)

- conditions for the constitution of the natural sciences
- use of the natural sciences
- quality structure in the natural sciences
- structural problems of the natural sciences
- relationship of natural, social and humanistic sciences".

Fortsetzung von S. 35
Continuation from p. 35

6. Curriculumtheorie und Didaktik der Medizin
(FB 20 Humanmedizin)

- horizontale und vertikale Integration der Fächer im Medizinstudium
- Curriculumentwicklung, insbesondere unter Berücksichtigung der Approbationsordnung für Ärzte
- Qualifikationsstruktur und professionelle Sozialisation des Mediziners (einschließlich Motivationsstrukturen)
- Entstehungs- und Verwendungszusammenhang des medizinischen Wissens
- Verhältnis Medizin/Geistes- und Sozialwissenschaften

Die Bewerber sollen sich möglichst in mehreren der in den Spiegelstrichen genannten Teilbereiche der einzelnen Professuren wissenschaftlich ausweisen können.

Die Bewerber sollen mit der hochschuldidaktischen Diskussion vertraut sein bzw. an konkreten Studienreformvorhaben mitgearbeitet haben. Wegen des interdisziplinären Charakters der Professuren ist es kein Nachteil, wenn ein Bewerber für mehr als eine Stelle Interesse bekundet.

Die Zuordnung der Professuren (1 H4, 2 H3, 3 H2) zu den potentiellen Stelleninhabern richtet sich nach der Qualifikation der Bewerber.

Bewerbungen sind bis zum 22. 4. 1974 an den Präsidenten der Philipps-Universität, 355 Marburg, Biegenstraße 10, zu richten. Nähere Auskünfte werden ebenfalls von dort erteilt.

Stellenausschreibungen
New positions

DIE ZEIT, Juni 1974

vrije universiteit amsterdam

The Netherlands

The Central Interfaculty of Philosophy has a vacancy for a full

professor of philosophy of science

who should be qualified in the physical sciences and in philosophy and is expected to have a doctor's degree in one of the two.

He should give lecture courses on philosophy of science in general and philosophy of the physical sciences in particular and conduct research in this field.

Teaching and research will be mainly in the Faculty of Mathematics and Natural Sciences, which has departments of mathematics, physics, chemistry, geology and biology and numbers appr. 30 full professors and 1.750 students.

The Central Interfaculty numbers 10 professors and 150 students.

The Free University was founded as a private non-denominational Christian Institution and is now a fully state subsidized private university. The preamble to its charter speaks of the Christian idea of service, in obedience to the Gospel of Jesus Christ, as the University's guiding principle. It will be appreciated if candidates would express their attitude towards this principle in their application.

Gross salary offered: about D.fl. 95.000,- per annum.

Both applicants and those who would like to draw the attention to possible candidates are requested to write within two months from the appearance of this issue to the Chairman of the appointment committee, Dr. J. v.d. Hoeven, Central Interfaculty, Vrije Universiteit, De Boelelaan 1105, Amsterdam, The Netherlands.

Candidates should mention referees when applying.

Université de Montréal:

Institut d'histoire et de sociopolitique des sciences.

Eine ausführliche Broschüre, die über Lehrkörper, Lehrplan, Forschungsprogramm, Zusammenarbeit mit anderen Institutionen etc. informiert, liegt seit Anfang des Jahres für 1974/1975 vor. Erhältlich über das Institut, C.P. 6128, Montréal 101, Québec, Canada.

Lehrkörper:

1973-1974

Camille LIMOGES, Directeur
professeur agrégé (licence phil., Université de Montréal, 1964; doctorat 3e cycle, histoire des sciences, Institut d'Histoire des Sciences, Université de Paris, 1968)

Brigitte SCHROEDER-GUDEHUS
professeur agrégé (licence ès sciences politiques, Université de Lausanne, 1958; doctorat ès sciences politiques, Institut universitaire des hautes études internationales, Université de Genève, 1966)

Lewis PYENSON
professeur adjoint (B.A. physics, Swarthmore College, 1969; M.Sc. physics, University of Wyoming, 1970; Ph.D., histoire des sciences, The Johns Hopkins University, 1973)

Yakov M. RABKINE
professeur adjoint (M.Sc. chimie, Université d'Etat de Leningrad, 1969; doctorat, Institut d'histoire des sciences et des techniques de l'Académie des Sciences de l'URSS, Moscou, 1972)

Jean-Claude GUEDON
chargé d'enseignement (B.Sc. chimie, Clarkson College of Technology, 1966; Ph.D. candidate, histoire des sciences, University of Wisconsin)

Michel LAFERRIERE
chargé d'enseignement (diplômé de l'Institut d'études politiques, Université de Paris, 1966; licence ès lettres, sociologie, Université de Paris, 1967; maîtrise ès lettres, sociologie, Université de Paris, 1968; Ph.D. candidate, sociologie, Columbia University)

Louise DANDURAND
auxiliaire d'enseignement (B.A.sp. histoire, Université de Montréal, 1972; M.Sc. histoire des sciences, Université de Montréal, 1973)

PROFESSEURS INVITÉS ET ASSOCIÉS (1973-1974)

Jean GAGNE, professeur agrégé, Université de Montréal (HSS-6-020: La mathématisation des sciences de la nature)

Jacques PARIZEAU, professeur titulaire, École des Hautes Études Commerciales, Montréal (HSS-6-140: Recherche scientifique et croissance économique)

Derek de Solla PRICE, Avalon Professor of the History of Science, Department of the History of Science and Medicine, Yale University, New Haven (HSS-6-110: L'analyse systématique des activités scientifiques)

Jean-Claude RICHER, professeur titulaire, Département de Chimie, Université de Montréal (HSS-6-110: L'analyse systématique des activités scientifiques)

Jean-Jacques SALOMON, Chef de la Division des politiques de la science, direction des affaires scientifiques, O.C.D.E., Paris (HSS-6-160: Politiques nationales de la science)

Forschungsprojekte

Thema: Institutions scientifiques et sociétés savantes aux 19e et 20e siècles.

Forscher: Chercheurs: Camille LIMOGES et Brigitte SCHROEDER-GUDEHUS
Auxiliaires de recherche: Roger BERTRAND, François BLANCHARD, Pauline GAGNON, Lucie HOUDE, John Paul MacDOUGALL.

Finanzierung: Ministère de l'Éducation du Québec (F.C.A.C.)

Beginn/Dauer: 1973-74/5 Jahre.

Thema: Recherche scientifique et politique étrangère.

Forscher: Chercheur: Brigitte SCHROEDER-GUDEHUS.
Assistante de recherche: Louise DANDURAND.

Finanzierung: Conseil des Arts du Canada

Beginn/Dauer: November 1972/3 Jahre.

Thema: Constitution et diffusion d'une théorie scientifique: l'explication écologique de l'apparition soudaine de la vie multicellulaire à la fin du précambrien.

Forscher: Chercheur: Camille LIMOGES.
Assistant de recherche: Frederick REHBOCK (Department of the history of science, The John Hopkins University).

Beginn/Dauer: Juni 1973/5 Jahre.

Thema: Genèse et modèles de développement de communautés scientifiques périphériques: la recherche scientifique au Québec, 1920-1970.

Forscher: Chercheurs: Brigitte SCHROEDER-GUDEHUS, Michel LAFERRIERE, Yakow RABKINE, Louise DANDURAND.
Auxiliaire de recherche: André MORIN.

Finanzierung: Comité d'attribution des fonds internes de recherche (C.A.F.I.R.) de l'Université de Montréal.

Thema: Avant et après Lavoisier: les Rouelliens et les Annales de Chimie.

Forscher: Jean Claude GUEDON.

Beginn/Dauer: März 1974/2 Jahre

Thema: Migrations internationales et scientifiques, du XVIIIe au XXe siècle.

Forscher: Yakov RABKINE, Brigitte SCHROEDER.

Beginn/Dauer: Mai 1974/5 Jahre.

Thema:	La physique à l'Université de Strasbourg: 1850-1950.
Forscher:	Lewis PYENSON.
Beginn/Dauer:	Januar 1974/3 Jahre.

Thema:	Interactions entre la science et la technologie: le progrès des recherches chimiques sur le pétrole.
Forscher:	Jakov RABKINE.
Beginn/Dauer:	März 1974/2 Jahre.

Summary:
Detailed brochure informing on the activities and programs of the above institute is available at the given address. Members of the institute and major research projects are cited above.

George Washington University:

Graduate Program in Science, Technology und Public Policy

"Science policy teaching and research at George Washington University is centered in two complementary activities. One is the Program of Policy Studies in Science and Technology; this research-oriented group is well known for its work in technology assessment and other areas of the technology/policy interface. The other activity is the graduate program in science, technology, and public policy - one of the few in the United States to offer a specific M.A. degree in science, technology, and public policy. It was established in 1970 under the joint sponsorship of GW's School of Public and International Affairs and the Program of Policy Studies. In its four years of existence, over fifty students have enrolled as degree candidates; ten M.A.'S have been awarded, and 35 students are in a degree program. In addition, a number of Ph.D. candidates in the university have made science and public policy one focus of their course work and/or dissertation.

Faculty directly involved in the graduate program include its director, John Logsdon (political science); its deputy director, Henry Nau (political science); and George Eads (economics). At its inception, the program was directed by John Hanessian. During the past 1 1/2 years, the development of the program has been supported by a grant from the National Science Foundation. Student support has also come from the Cogar Foundation, the National Air and Space Museum of the Smithsonian Institution, and NASA.

Professor Logsdon currently teaches one undergraduate and two graduate courses each year in science policy; his graduate courses are a general overview of public policy issues related to science and technology and a research seminar on domestic science policy issues. Professor Nau gives a graduate seminar on science, technology, and world order, this year focusing on international energy policy and the U.S.-U.S.S.R. scientific and technological agreements. Professor Eads introduced a new course last fall on the economics of technological change.

Students in the degree program, in addition to their specific course work in science policy, can draw upon the total resources of the university in constructing a program of studies. This has enabled students to do course work in fields such as environmental law, ocean policy organizational change, and urban transportation, in addition to fields in political science and economics.

The program has drawn students from a variety of disciplinary backgrounds ranging from physics and chemistry to political science and psychology. In addition to recent undergraduates, the program has enrolled many part-time students already at work in related employment locally. The program's students have also been very successful in finding related jobs, including positions in several NSF offices, the Science Policy Research Division of the Library of Congress, the U.N.'s Science, Technology, and Development Office, and the Brazilian space agency.

The Washington location is uniquely favorable in providing students with access to individuals active in shaping science and technology policy. Visitors to GW under program sponsorship have included Edward David, Philip Handler, James Webb, Russell Train, and Murray Weidenbaum, among many others. Students also have the Washington science policy community as a research source for their term papers and theses.

Current research emphasis of the program's faculty are: Logsdon-changing institutional structures for federal management of science and technology and comparative technology policies of industrialized nations; Nau-technological aspects of contemporary international relations; Eads - government involvement in the stimulation of commercial technology in the U.S. and Europe. In addition to this faculty research, one doctoral student, Mark Frankel, has been particularly active in the area of biomedical policy research; Frankel has also served as the assistant to the program's director for the past two years.

During the 1972-1973 academic year, the program sponsored a professional seminar series on the topic, "U.S. National Goals and Technological Strategy". These evening seminars provided an occasion for those professionally involved in science and technology policy in the Washington area to meet on an informal basis for the discussion of issues of common interest. The program's students also were invited to attend the seminars. The seminar series will probably be resumed in September 1974.

For further information on the program or copies of its source syllabi, contact John Logsdon, Graduate Program in Science, Technology, and Public Policy, George Washington University, Washington, D.C. 20006."

Source: Public Science, 1974, 5 (No 1), 15-16

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Aus dem 1. Newsletter, Frühjahr 1974:

" The SOCIOLOGIST OF SCIENCE (SOS) is a newsletter inspired by the recent growth of research in the sociology of science, and particularly, in the sociology of sociology. The current rich context of theories and data sets amassed in sociology and allied disciplines suggests that major discoveries about the structure and content of scientific activity are imminent. The burden is on the serious researcher, then, to somehow keep abreast of this activity.

The SOCIOLOGIST OF SCIENCE (SOS) is intended to ease the burden by informing you of prospects, problems, opportunities, and successes in the speciality. But our clearinghouse is only as good as the information it is disseminating. We need to be informed of the specific who's, when's, where's, and why's of your project, paper, or data."